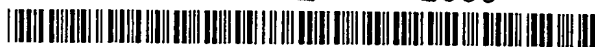


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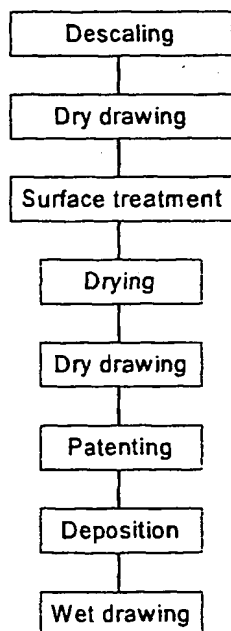
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- (71) Applicant (for all designated States except US): **PIRELLI PNEUMATICI S.P.A.** [IT/IT]; Viale Sarca, 222, I-20126 Milano (IT).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **PAVAN, Federico** [IT/IT]; Via Pilati, 4/a, I-50136 Firenze (IT). **AGRESTI, Simone** [IT/IT]; Via F. Ferrucci, 274, I-50047 Prato (IT). **CAVALLOTTI, Pietro, Luigi** [IT/IT]; Viale Abruzzi, 72, I-20131 Milano (IT). **NOBILI, Luca** [IT/IT]; Via Marzabotto, 27, I-20100 Milano (IT).
- (74) Agents: **BOTTERO, Claudio et al.**; Porta, Checcacci & Associati S.p.A., Via Trebbia, 20, I-20126 Milano (IT).
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(54) Title: METHODS FOR PRODUCING COATED METAL WIRE



(57) Abstract: A method for producing a metal wire for reinforcing an elastomeric material as well as a metal wire and a metal cord for reinforcing such an elastomeric material are described. The metal wire comprises a metal core having a predetermined initial diameter and a metal coating layer. The method comprises the steps of: a) submitting the core to at least one surface treatment for predisposing the surface of the core to being coated with the coating layer; b) thermally treating the core; c) depositing the metal coating layer to a predetermined initial thickness on the core by means of a plasma deposition technique; and d) drawing the coated core until the core has a final diameter smaller than said predetermined initial diameter and the metal coating layer has a final thickness smaller than said predetermined initial thickness. Advantageously, it is possible to obtain a wire coated in a uniform and homogeneous manner, including a core having a smooth surface suitable for the deposition of the coating layer and a structure suitable for the cold deformation involved in the drawing step.

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**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

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EPO-Internal, PAJ, WPI Data

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

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Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

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